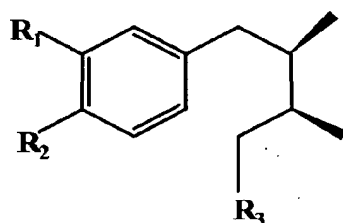


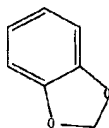
## Claims

- [1] An antibacterial composition against acne-causing bacteria selected from the group consisting of *Propionibacterium acnes*, *Staphylococcus epidermis* and *Staphylococcus aureus*, the composition containing lignan compounds represented by Formula 1 or their pharmaceutically acceptable salts:

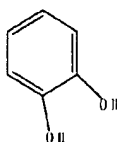
[Formula 1]



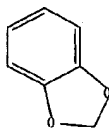
wherein each of  $R_1$  and  $R_2$  independently represents a  $C_{1-5}$  alkoxy group or a hydroxyl group,  $R_3$  represents



or

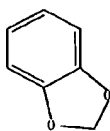


- [2] A composition for treating acne, comprising lignan compounds represented by Formula 1 or their pharmaceutically acceptable salts.
- [3] The composition of Claim 1 or 2, wherein  $R_1$  represents a methoxy group,  $R_2$  represents a hydroxyl group, and  $R_3$  represents



- [4] A method for inhibiting the growth of acne-causing bacteria selected from the group consisting of *Propionibacterium acnes*, *Staphylococcus epidermis* and *Staphylococcus aureus*, the method comprising administering an effective amount of lignan compounds represented by Formula 1 to a subject in need thereof.
- [5] A method for treating acne, comprising administering an effective amount of lignan compounds represented by Formula 1 to a subject in need thereof.

- [6] The method of Claim 4 or 5, wherein  $R_1$  represents a methoxy group,  $R_2$  represents a hydroxyl group, and  $R_3$  represents



- [7] Use of lignan compounds represented by Formula 1 for preparing antibacterial agents against acne-causing bacteria selected from the group consisting of *Propionibacterium acnes*, *Staphylococcus epidermis* and *Staphylococcus aureus*.
- [8] Use of lignan compounds represented by Formula 1 for preparing acne treatment agents.
- [9] The use of Claim 7 or 8, wherein  $R_1$  represents a methoxy group,  $R_2$  represents a hydroxyl group, and  $R_3$  represents

